



IFW

PATENT  
DOCKET NO. BMX-003.02  
(23819-302)

In re Application of:

Zhang, H., et al.

Application No: 10/806,036

Filed: March 22, 2004

For: Degradable Crosslinkers, and  
Degradable Crosslinked Hydrogels  
Comprising Them

Art Unit: 1625

Examiner: Not Yet Assigned

Attention: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on *August 11, 2004*.

  
Shirine Darvish

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Under 35 U.S.C. §120, this application has the benefit of the filing date of U.S. Patent Application 10/186,251 filed June 27, 2002. Copies of all references listed on the Form PTO-1449's were submitted to the Office in the parent application; therefore, they are not required to be provided in this application.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed:

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office Action** on the merits, or before the mailing of a **first Office Action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

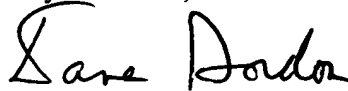
It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,



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Group Art Unit  
1621

**AUG 13 2004**

**EXAMINER**

Translation	
YES	

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number (Optional)  
BMX-003.01(23819-301)

Application Number  
10/186,251

Applicant  
Schwarz and Zhang

Filing Date  
June 27, 2002

Group Art Unit  
1621
**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

AH	Argade et al.; "Preparation and Characterization of Novel Biodegradable tri- and tetraacrylate Intermediates", Polymer Bulletin 31: 401-407, (1993)
AI	Bruining et al.; "Biodegradable Three-Dimensional Networks of Poly(dimethylamino ethyl methacrylate): Synthesis, Characterization and in Vitro Studies of Structural Degradation and Cytotoxicity", Biomaterials 21: 595-604, (2000)
AJ	Bruining et al.; "New Biodegradable Networks of Poly(N-vinylpyrrolidinone) Designed for controlled Nonburst Degradation in the Vitreous Body", J Biomed. Mater. Res. 47:189-197, (1999)
AK	Eo, Akala; "Hydrolysis of Linear Copolymers with Pendant N, O-diacylhydroxylamine Moieties", Pharm. Pharmacol. Lett. 8(3): 129-132, (1998)
AL	Grosse-Sommer and Prud'homme; "Degradable Phosphazene-crosslinked Hydrogels", Journal of Controlled Release 40: 261-267, (1996)
AM	Gornbotz and Petit; "Biodegradable Polymers for Protein and Peptide Drug Delivery", Bioconjugate Chem. 6: 332-351, (1995)
AN	Ulbrich et al.; "Novel Biodegradable Hydrogels Prepared Using the divinyl;ic Crosslinking Agent N, O-dimethacryloyldroxyamine. I. Synthesis and Characterization of Rates of Gel Degradation, and Rate of Release of Model Drugs, in Vitro and Vivo", Journal of controlled Release 24: 181-19, (1993)
AO	Ruckenstein and Zhang; "A Novel Breakable Cross-Linker and pH-Responsive Star-Shaped and Gel Polymers", Macromolecules 32: 3979-3983, (1999)
AP	Sawhney et al.; "Bioerodible Hydrogels Based on Photopolymerized Poly(ethylene glycol)-co-poly(αhydroxy acid) diacrylate Macromers", Macromolecules 26: 581-587, (1993)
AQ	Ulbrich et al.; "Synthesis Of Novel Hydrolytically degradable Hydrogels for Controlled Drug Release", Journal of Controlled Release 34: 155-165, (1995)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

